

Express Mail No.: EV 324 919 445 US

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:

Myung Sik Choi

Confirmation No.:

1635

Serial No.:

10/750,657

Art Unit:

1754

Filed:

December 31, 2003

Examiner: To be assigned

For:

**CERAMIC CATALYST** 

Attorney

060943-0051

CARRIER HAVING CIRCULAR-

Docket No.:

(Formerly 11036-051-999)

CELL HONEYCOMB

**STRUCTURE** 

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 C.F.R. §1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the application.

1.	Enclosures accompanying this Information Disclosure Statement are:					
	la.	A list of all patents, publications, applications, or other information submitted for consideration by the office.				
	1b.	A legible copy of:				
		Each U.S. patent application publication and U.S. and foreign patent;				
		Each publication or that portion which caused it to be listed on the PTO-1449;				
		For each cited pending U.S. application, the application specification including the claims, and any drawing of the application, or portion of the application which caused it to be listed on the PTO-1449 including any claims directed to that portion;				
		all other information or portion which caused it to be listed on the PTO-1449.				
	1c.	An English language copy of search report(s) from a counterpart foreign application or PCT International Search Report.				
	1d.	Explanations of relevancy (ATTACHMENT 1(d), hereto) or English language abstracts of the non-English language publications.				
2.	$\boxtimes$	This Information Disclosure Statement is filed under 37 C.F.R. §1.97(b):  Within three months of the filing date of a national application other than a continued prosecution application under §1.53(d);				
		Within three months of the date of entry of the national stage as set forth in				

§1.491 in an international application;

		Before the mailing of the first Office action on the merits;
		Before the mailing of a first Office action after the filing of a request for continued examination under §1.114.
3.		This Information Disclosure Statement is filed under 37 C.F.R. §1.97(c) after the period specified in 37 C.F.R §1.97(b), but before the mailing date of any of a final action under 37 C.F.R. §1.113, a notice of allowance under 37 C.F.R. §1.311 or an action that otherwise closes prosecution in the application.
		(Check either Item 3a or 3b)
	3a.	☐ The Certification Statement in Item 5 below is applicable. Accordingly, no fee is required.
	3b.	☐ The \$180.00 fee set forth in 37 C.F.R. §1.17(p) in accordance with 37 C.F.R. §1.97(c) is: ☐ enclosed
		to be charged to Morgan, Lewis & Bockius LLP Deposit Account No. 50-0310.
		(Item 3b to be checked if any reference known for more than 3 months).
4.		This Information Disclosure Statement is filed under 37 C.F.R. §1.97(d) after the period specified in 37 C.F.R. §1.97(c), but on or before the date of payment of the issue fee.
	The Ce	rtification Statement in Item 5 below is applicable.
		The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:
_		to be charged to Morgan, Lewis & Bockius LLP Deposit Account No. 50-0310.
5.		Certification Statement (applicable if Item 3a or Item 4 is checked)
		(Check either Item 5a or 5b)
	5a.	In accordance with 37 C.F.R. §1.97(e)(1), it is certified that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
	5b.	Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not <b>received</b> by any individual designated in 37 C.F.R. §1.56(c) more than thirty days prior to the filing of this information disclosure statement.
	5c.	Pursuant to 37 C.F.R. §1.704(d), each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 C.F.R. §1.56(c) more than thirty days prior to the filing of this information disclosure statement.
6.		This application is a continuation application under 37 C.F.R. §1.60 or §1.53(b) or (d).

## (Check appropriate Items 6a, 6b and/or 6c)

	6a.	A Petition to Withdraw from issue under 37 C.F.R. §1.313(b)(5) is concurrently filed herewith.				
	6b.	Copies of publications listed on Form PTO-1449 from prior application Serial No. , filed on , of which this application claims priority under 35 U.S.C. §120, are not being submitted pursuant to 37 C.F.R. §1.98(d).				
	6c.	Copies of the publications listed on Form PTO-1449 were not previously cited in prior application Serial No. , filed on , and are provided herewith.				
7.		This is a Supplemental Information Disclosure Statement. (Check Item 7a)				
	7a.	This Supplemental Information Disclosure Statement under 37 C.F.R. §1.97(f) supplements the Information Disclosure Statement filed on . A bona fide attempt was made to comply with 37 C.F.R. §1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental Information Disclosure Statement can be considered as if properly filed on .				
8.		In accordance with 37 C.F.R. §1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:				
		(Check Item 8a, 8b, or 8c)				
	8a.	satisfied because all non-English language publications were cited on the enclosed English language copy of the PCT International Search Report or the search report from a counterpart foreign application indicating the degree of relevance found by the foreign office.				
	8b.	set forth in the application.				
	8c.	enclosed as an attachment hereto.				
9.	$\boxtimes$	he Commissioner is authorized to charge any additional fee required or credit any verpayment for this Information Disclosure Statement and/or Petition to Morgan, ewis & Bockius LLP Deposit Account No. 50-0310.				
10.		o admission is made that the information cited in this Statement is, or is considered be, material to patentability nor a representation that a search has been made (other an a search report of a foreign counterpart application or PCT International Search eport if submitted herewith). 37 C.F.R. §§1.97(g) and (h).				
Date:	May	Respectfully submitted,  25, 2004  Thomas D. Kohler MORGAN, LEWIS & BOCKIUS LLP 3300 Hillview Avenue Palo Alto, CA 94304 (415) 442-1106				

			Comple	ete If Known
O INFORMATION DISCLOSURE			Application Number	10/750,657
			Filing Date	December 31, 2003
MAY 2. 5 2004 5			First Named Inventor	Myung Sik Choi
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\_ PTO-1449			1754
F. T.			Examiner Name	To be assigned
She TRADE	of	1	Attorney Docket	060943-0051
			Number	(Formerly 11037-051-999)

•	U.S. PATE	ENT DOCUMENTS				
Document Number Number - Kind Code <sup>1</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Appro	
			-			
	FOREIGN PA	TENT DOCUMENTS		ļ	<u> </u>	
Foreign Patent Document	Publication Date	Name of Patentee or	Class		Translation	
	MM-DD-YYYY	Applicant of Cited Document		Subclass	Yes	No
56-147637	11/16/1981	Korea			Abs	
62-225250	03/10/1987	Matsushita Electric			Abs	
07-039760	10/02/1995	NGK Insulators Ltd			Abs	
07-243322	19/09/1995	Hino Motors Ltd.			Abs	
11-320723	24/11/1999	NGK Insulators Ltd.			Abs	
OTHER P	RIOR ART - NON P	ATENT LITERATURE DOCU	MENTS			
Include name of the author (ir serial, symposium, cat	n CAPITAL LETTERS), alog, etc.), date, page(s)	title of the article (when appropriate), volume-issue number(s), publisher, c	title of the i	tem (book, mag ountry where pu	gazine, jou iblished	ımal,
	Foreign Patent Document Country Code <sup>2</sup> - Number <sup>3</sup> - Kind Code <sup>4</sup> (if known) 56-147637 62-225250 07-039760 07-243322 11-320723 OTHER P	Document Number   Number - Kind Code   MM-DD-YYYY	Number - Kind Code¹ MM-DD-YYYY Applicant of Cited Document  FOREIGN PATENT DOCUMENTS  Foreign Patent Document Country Code² - Number³ - Kind Code⁴(if known)  56-147637 Publication Date MM-DD-YYYY Applicant of Cited Document 62-225250 03/10/1981 Korea 62-225250 03/10/1987 Matsushita Electric 07-039760 10/02/1995 NGK Insulators Ltd 07-243322 19/09/1995 Hino Motors Ltd. 11-320723 24/11/1999 NGK Insulators Ltd.  OTHER PRIOR ART - NON PATENT LITERATURE DOCU	Document Number   Publication Date   Name of Patentee or   Applicant of Cited Document	Document Number   Number - Kind Code   MM-DD-YYYY   Applicant of Cited Document   Class   Subclass	Document Number

1-	Date	
SF/7120544.   1Examin	Considered	
er Signature		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if

not in conformance and not considered. Include copy of this form with next communication to applicant.

See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04.

Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

WIPO Standard ST. 16 if possible.

Applicant is to place a check mark here if English language Translation is attached. Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.